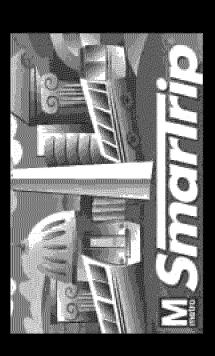
Metro's SmarTrip Card



Presentation for

Smart Card Program Managers Group

July 18, 2000

Washington Metropolitan Area Transit Authority

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 074-0188

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Standard Form 298 (Rev. 2-89) Prescribed by ANSI Std. Z39-18 298-102

System Context

- Approximately 3 million in service area
- Daily users
- ◆ Rail 300,000
- ♦ Bus 235,000
- ◆ Paratransit 1,000
- Approximately 1.2 million holders of fare media
- Vehicles
- Rail cars 764; 192 on order
- ◆ Buses 1,400
- Paratransit 134 (contractor-owned)

Commuter Rail

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Types of Fare Media (pre-SmarTrip)

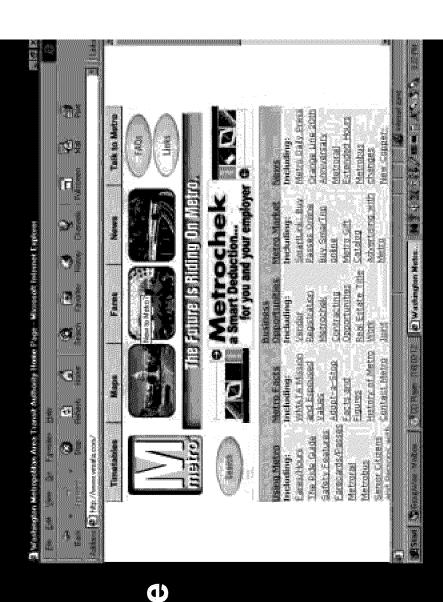
- Metrorail Magnetically encoded, stored value farecards
- Metrobus Electronic registering fareboxes; cash coupons, tokens and tickets; passes
- parking attendants; monthly and guaranteed Parking lots - Cash manually collected by passes

Fare Media Challenges

- Fare structure flexibility
- Regular and discounted
- ◆ Distance
- Passes
- **Bus and rail**
- **Throughput**
- Commuter v. tourists
- Cost

- · SmartDeals
- Fare Simplification and Integration
- June 1999

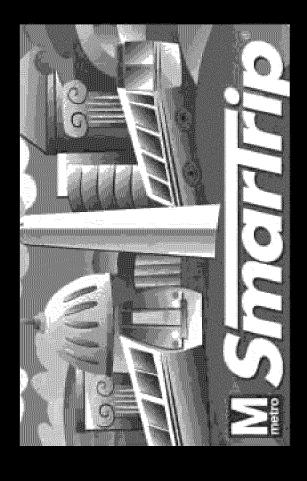
- SmartLink
- Internet Purchase of Fare Media
- March 1999



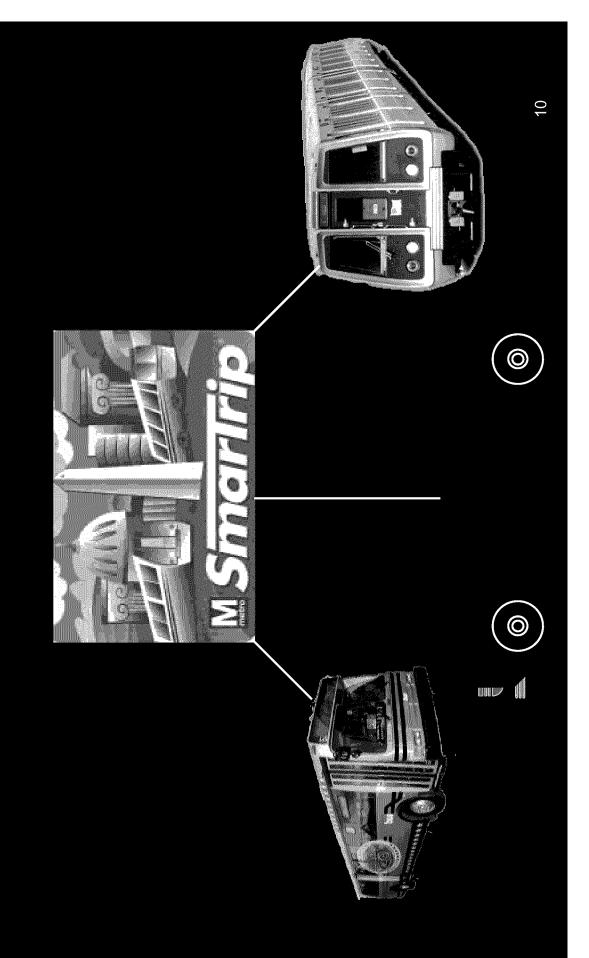
- · SmartCharge
- Credit CardPurchase ofFare Media inVendors
- ◆April 1999



- SmarTrip
- ◆Smart Card
- ◆ May 1999



APPLICATIONS



Key Elements of SmarTrip

- Batteryless
- Read/write chip
- Contactless radio frequency transmission
- Unalterable, unique serial number
- **Closed system**

Why Smart Card Technology?

- Single fare medium; multiple fare types
- More secure than magnetic stripe
- Fast throughput
- May reduce operating and maintenance costs

Potential Benefits to Customers Why Smart Card Technology?

- Single fare medium across modes
- Replacement capability for lost or stolen cards
- Convenience

October 1998 to May 1999 Smartrip Demonstration

- 1500 users customers and employees
- Technical capability/full system test
- Customer acceptance/market
- Rail system all stations and mezzanines
- Parking lots all exits
- Recordkeeping, tracking

SmarTrip Roll-out

- Launched May 18, 1999
- Rail system and parking lots
- \$5 per card
- Privacy policy
- Card replacement



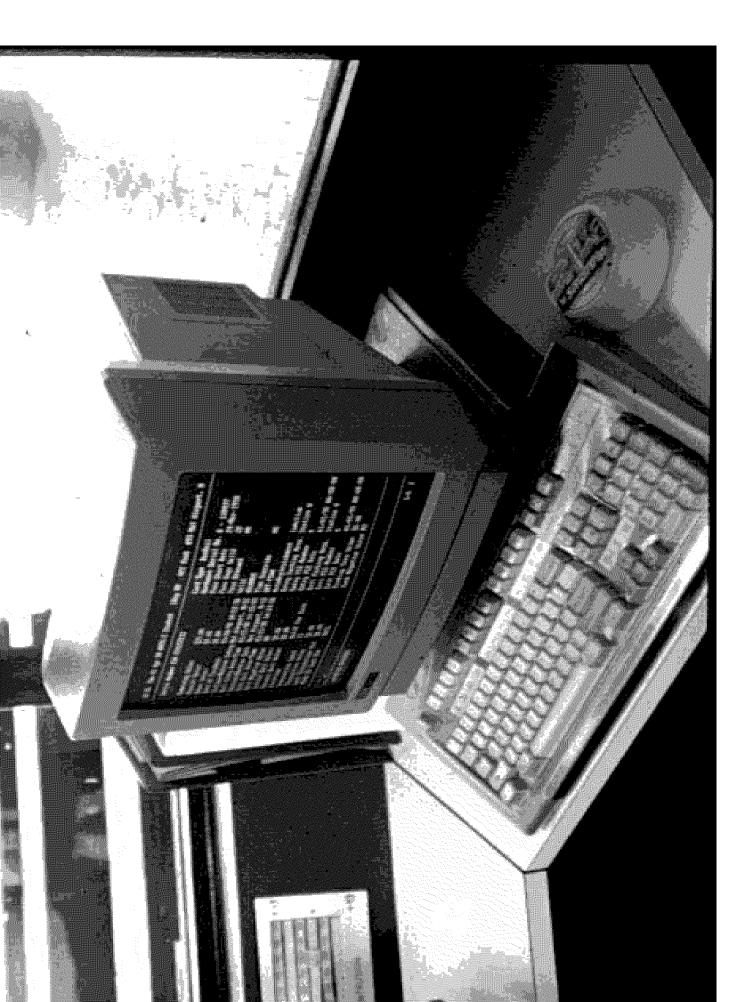
To Purchase or MULTIPLE FARECAL PRESS — To deduct valu PUSH TO RETURN BILLS \$15,10.20

TAKE PASS/FARECARDS









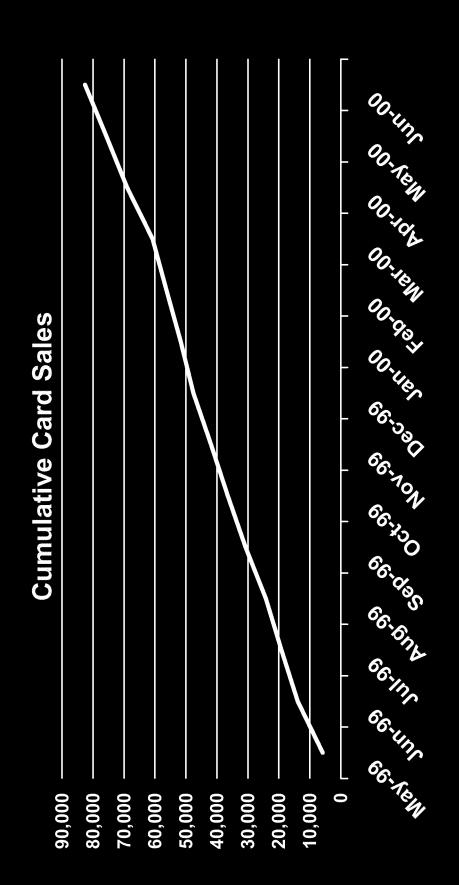








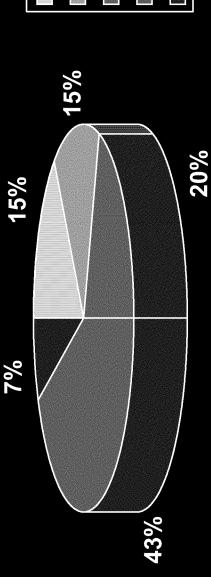
Card Sales

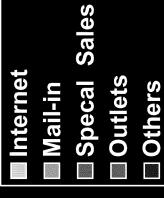


SmarTrip Sales Outlets

- Internet @
- WMATA-operated sales facilities
- Local government-operated sales facilities
- Special outreach promotional events
- Mail-in brochure available in the system

Card Sales by Source





Bus Fareboxes

- Procurement underway for regional box
- Baltimore and Washington local transit systems
- Accepts
- Coin and currency, validator-based
- SmarTrip cards
- Evaluating magnetic stripe card acceptance
- Fully implemented in 2002
- Regional clearinghouse

Demonstration Programs

- First Union/SmarTrip debit and transit card
- Approximately 1,000 participants
- **General Services Administration ID and** transit card
- Approximately 100 initial participants
- Proposal for FTA's EPS demonstration program
- 14 private and public partners
- Single card for transit, tolls, parking and retail

First Union Demonstration

Debit card and transit card



Front

Back

Use and acceptance of this card will indicate your agreement to the terms and conditions authorizing its use. This count is the property of the issuer.





MACHINETON ANTHONOLISM AND TRANSIT ANTHONISM
MINERAL METAL DESCRIPTION AND PRINCIPLES AND TRANSITS AND TRANSI Plant or teches physics pat fire

General Services Administration

Federal ID and transit card





Front



GSA/SmarTrip Service 202.999.9999 If found, drop in any P.O. Box for return to:

US General Services Administration

Security Office, CXXX 1800 F Street, NW Washington, DC 20405

Back

Near Term Enhancements

- Employer transit benefits
- Replenishments from credit account
- **Customer loyalty program**
- Passes
- Fair Fares

Potential Joint Applications

- Federal government
- Universities
- Government benefit programs
- **Private industry**

The Future

Metrorail

Metrobus

Metro Parking

Convenience Stores Restaurants

Fast Food

Movie Theatres

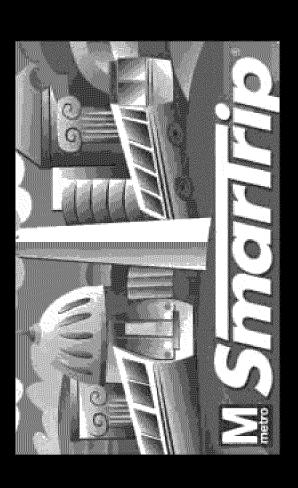
Sports Arenas

Gasoline Stations

Toll Roads

Vision

- Create single card universal payment system
- Accepted throughout the region
- Good on transit, tolls and parking
- **Expand acceptance to non-transit environments**
- Retail
- Public benefit programs
- ◆ Personal identification
- improve operations and foster public/private Design system to encourage use of transit, partnerships



Washington Metropolitan Area Transit Authority